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Application No. 10/508,955 Amendment dated November 10, 2008 After Final Office Action of July 9, 2008

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Docket No.: 80653(4*762)

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently amended): A method for applying a hot melt adhesive in a melted state to a surface of a substrate to obtain a laminated object, the method comprising the steps of:

preparing a hot melt adhesive, which is a urethane reactive hot melt adhesive and meles in a temperature range of 100 to 130°C, and a coating equipment including plural applicator roller stages which form an adhesive layer by laminating plural coatings of a hot melt adhesive; conveying the substrate which is a wood board at a predetermined speed;

rotating applicator rollers of the applicator roller stages in the direction, to which the substrate is moved on a conveyer, to cover the substrate with the hot melt adhesive in a melted state, wherein

at least one[[an]] applicator roller has a surface made of a material which reduces slipping and is supplied from a pool of the hot melt adhesive existing in a valley formed by the applicator roller and a metering roller via an interface of the rollers, and the applicator roller is rotated in the direction which the substrate is moved on a conveyer and at a circumferential speed at least 20% slower or at least 20% faster than the predetermined speed of the substrate to cause the roller to slip, wherein the substrate is covered with the hot melt adhesive in a melter state supplied from a pool of the hot melt adhesive existing in a valley formed by the applicator roller and a metering roller via an interface of the rollers; and

contacting the upper surface of the substrate from above with the applicator roller rollers to form the [[an]] adhesive layer on substantially the entirely of the upper surface of the substrate with the hot melt adhesive; and

bonding said adhesive layer formed on the substrate with a laminate, which is selected from the group consisting of a film, a decorative paper, a laminate material and a metallic paper.

Claim 2 (Original): The method for applying a hot melt adhesive to a surface of a substrate according to claim 1, wherein the adhesive layer is formed by applying a plurality of coatings of the hot melt adhesive.

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Claim 3 (Original): The method for applying a hot melt adhesive to a surface of a substrate according to claim 1, wherein the circumferential speed of the applicator roller is set to be less than the predetermined speed at which the substrate is conveyed, with a speed reduction ratio ranging from 20% to 80% and equal to (conveying speed of substrate- circumferential speed of applicator roller) x 100 / conveying speed of substrate.

Claims 4-9 (Canceled).

Claim 10 (Currently amended) A method for producing a laminated object, the method comprising the steps of:

conveying a substrate which is a wood board at a predetermined speed;

contacting the upper surface of the substrate from above with [[the]] <u>plural applicator</u> roller rollers of plural applicator roller stages which form an adhesive layer by laminating plural coatings of a hot melt adhesive;

rotating the applicator <u>rollers</u> covered with a hot melt adhesive in a melted state which is supplied from a pool of the hot melt adhesive located between the applicator <u>roller</u> <u>rollers</u> and [[a]] metering <u>rollers</u> via an interface of the applicator roller and [[a]] metering <u>roller rollers</u>, wherein at least one applicator roller has a surface made of a material which <u>reduces slipping</u>, and is rotated at a circumferential speed at least 20% slower or at least 20% faster than the predetermined speed at which the substrate is conveyed to cause it to slip;

forming an adhesive layer on substantially the entirely of the upper surface of the substrate with the hot melt adhesive; and

applying a laminate, which is selected from the group consisting of a film, a decorative paper, a laminate material and a metallic paper, on the adhesive layer which is formed on the substrate.

Claim 11 (Original): The method of producing a laminated object according to claim 10, wherein the adhesive is applied by a plurality of applicator rollers.

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Claim 12 (Original): The method of producing a laminated object according to claim 10, wherein the substrate is a wood board, the adhesive is urethane reactive hot melt adhesive, and the laminate is a film or a decorative paper.

Claim 13-14 (Canceled).

Claim 15 (Previously presented): The method for applying the hot melt adhesive to the surface of the substrate according to claim 1, wherein a clearance between the applicator roller and a backing roller is 99% to 95% of the thickness of the substrate.

Claim 16 (Previously presented): The method for applying the hot melt adhesive to the surface of the substrate according to claim 1, wherein the urethane reactive hot melt adhesive which melts in a temperature range of 100 to 130°C has a viscosity of 1,000 to 30,000 mPa·s.

Claims 17-18 (Canceled).

Claim 19 (Previously Presented): The method for applying a hot melt adhesive to a surface of a substrate according to claim 1, wherein the laminated object is an architectural material.

Claim 20 (Previously Presented): The method of producing a laminated object according to claim 10, wherein the substrate on which the laminate is applied via the adhesive layer is an architectural material.

Claims 21 (Previously presented): The method for applying a hot melt adhesive to a surface of a substrate according to claim 1, wherein the substrate is substantially conveyed at a predetermined speed horizontally, while the substrate is conveyed and contacted with the applicator roller.

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Claims 22 (Previously presented): The method of producing a laminated object according to claim 10, wherein the substrate is substantially conveyed at a predetermined speed horizontally, while the substrate is conveyed and contacted with the applicator roller.

Claim 23 (New): The method for applying a hot melt adhesive to a surface of a substrate according to claim 1, further comprising a step of bonding the adhesive layer formed on the substrate with a laminate which is selected from the group consisting of a film, a decorative paper, a laminate material and a metallic paper.

Claim 24 (New): The method for producing a laminated object according to claim 10, where n the laminate is selected from the group consisting of a film, a decorative paper, a laminate material and a metallic paper.

Claim 25 (New): The method for applying a hot melt adhesive to a surface of a substrate according to claim 1, wherein the applicator roller has a surface made of a rubber.

Claim 26 (New): The method for producing a laminated object according to claim 10, wherein the applicator roller has a surface made of a rubber.

Claim 27 (New): The method for applying a hot melt adhesive to a surface of a substrate according to claim 1, wherein the thickness of the adhesive layer is in the range from 20 to 80 μ m, and the circumferential speed of the applicator roller is slower than the predetermined speed of the substrate such that the speed reduction ratio is in a range of 20 to 80%.

Claim 28 (New): The method for producing a laminated object according to claim 10, wherein the thickness of the adhesive layer is in the range from 20 to 80 µm, and the circumferential speed of the applicator roller is slower than the predetermined speed of the substrate such that the speed reduction ratio is in a range of 20 to 80%.

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